

FIG. 1D

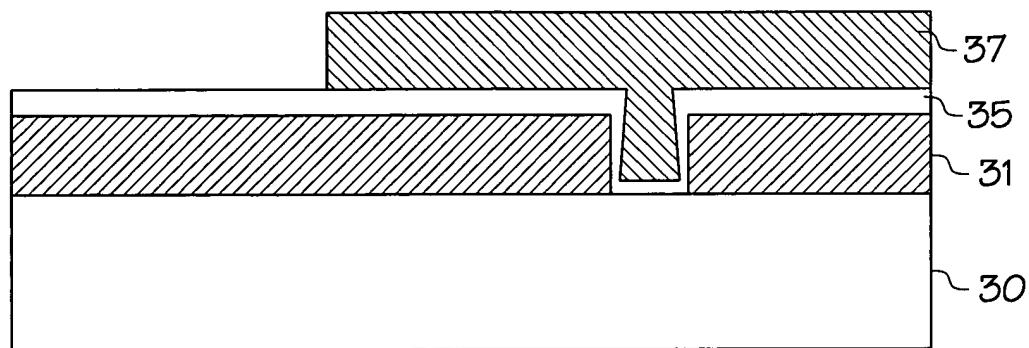


FIG. 1E

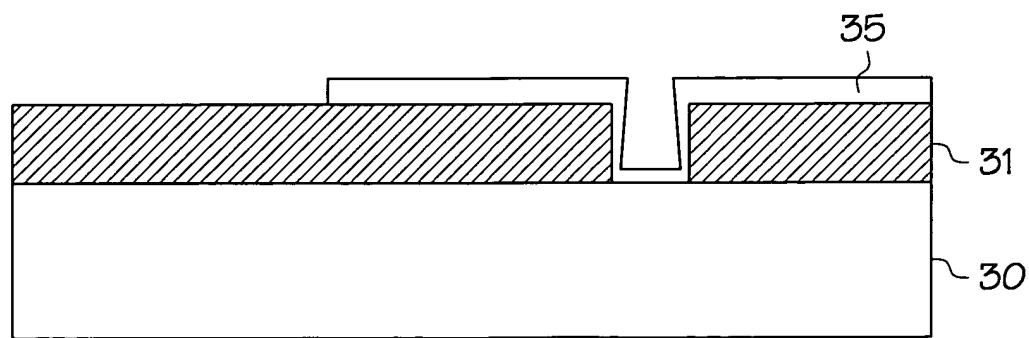


FIG. 1F

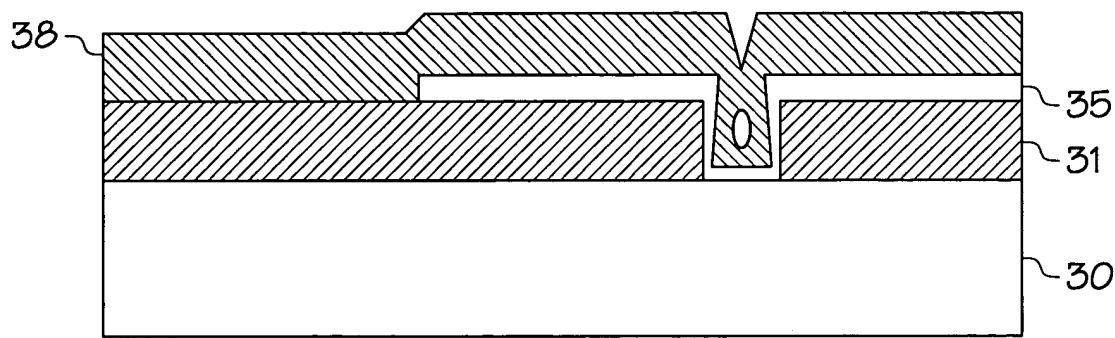


FIG. 1G

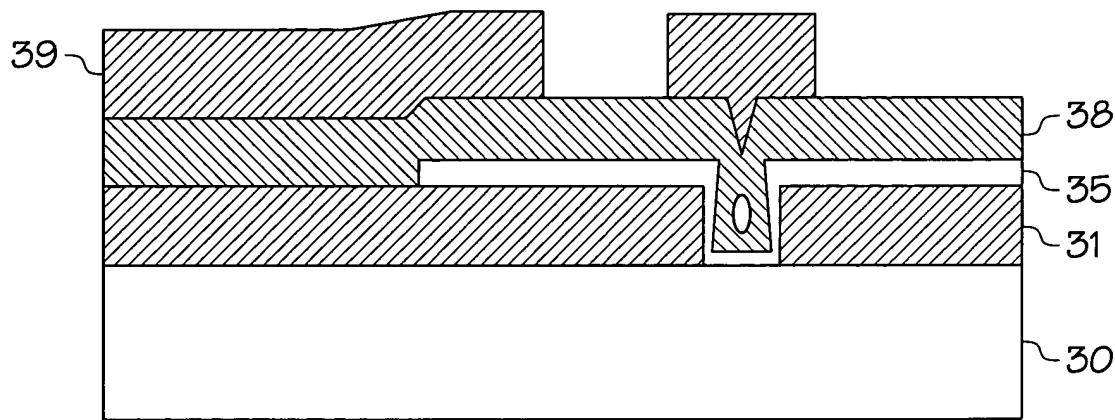


FIG. 1H

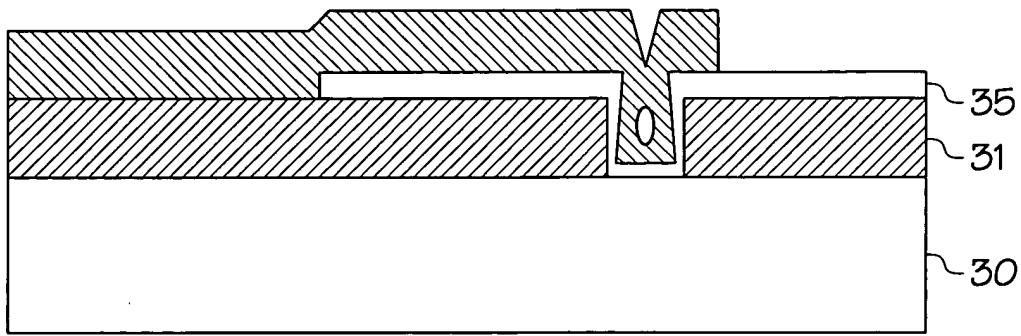


FIG. 1I

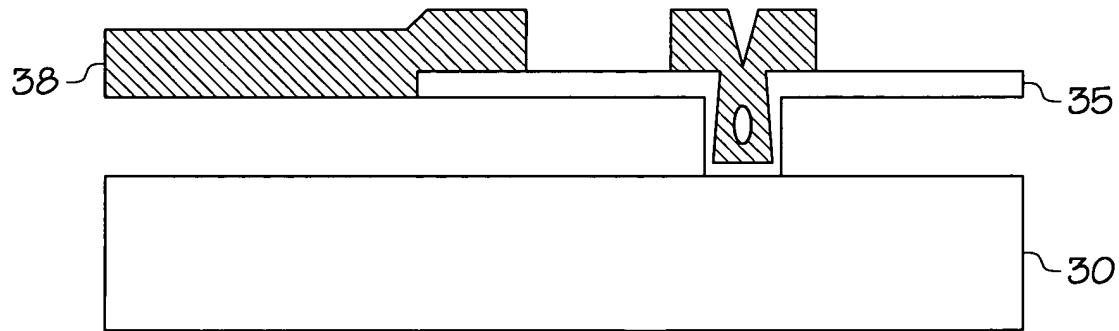


FIG. 1J

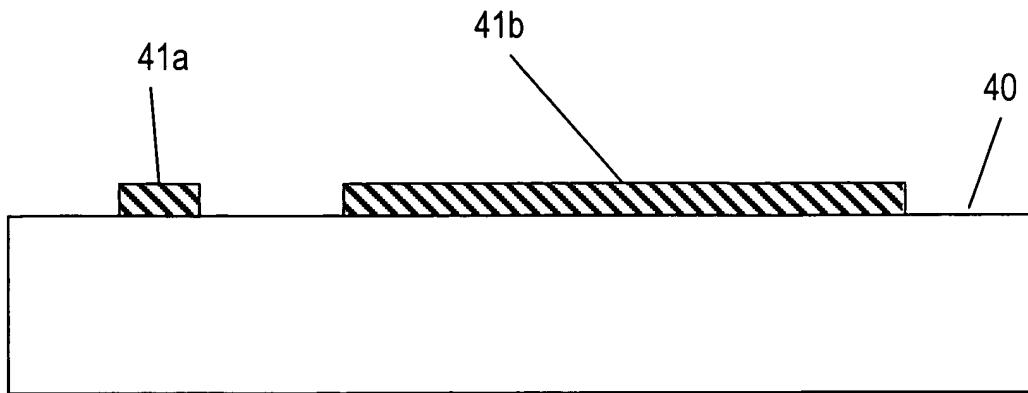


FIG. 2A

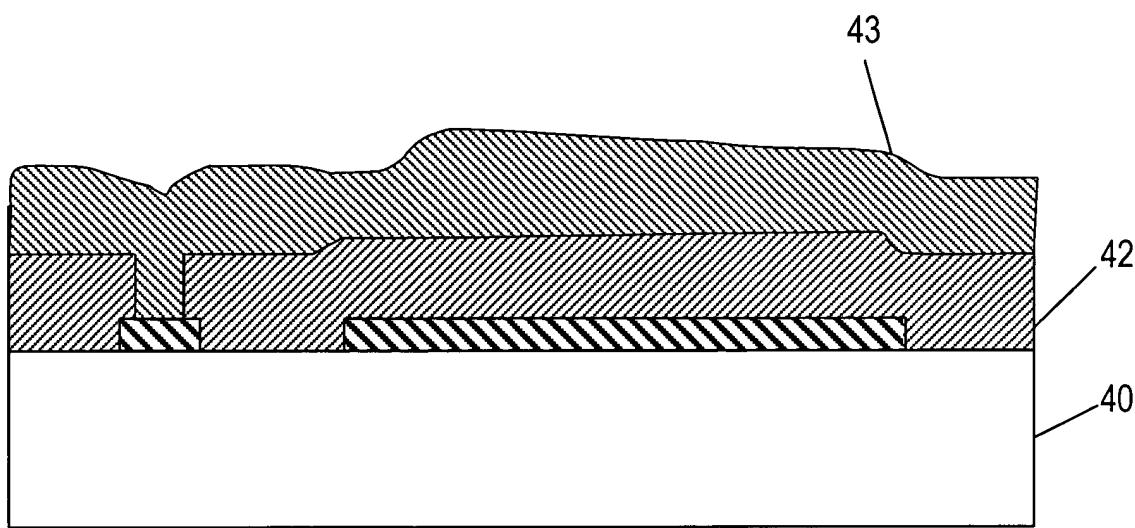


FIG. 2B

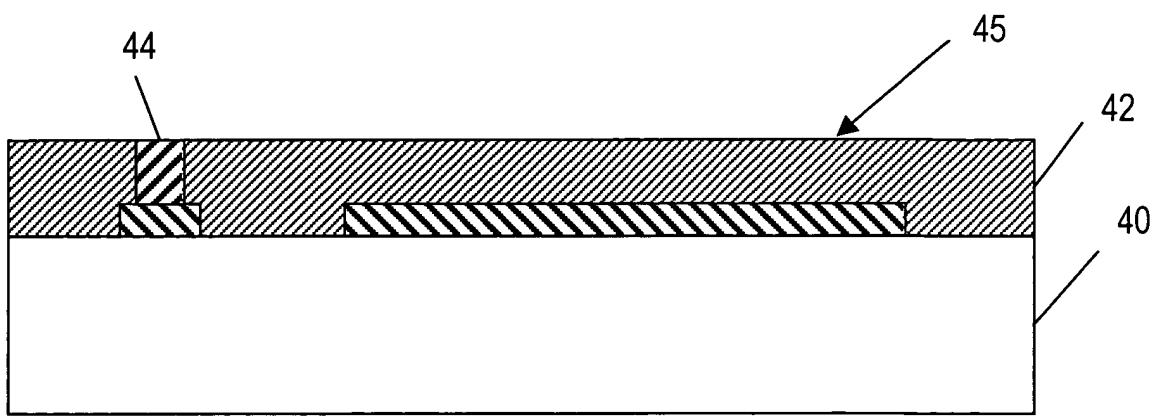


FIG. 2C

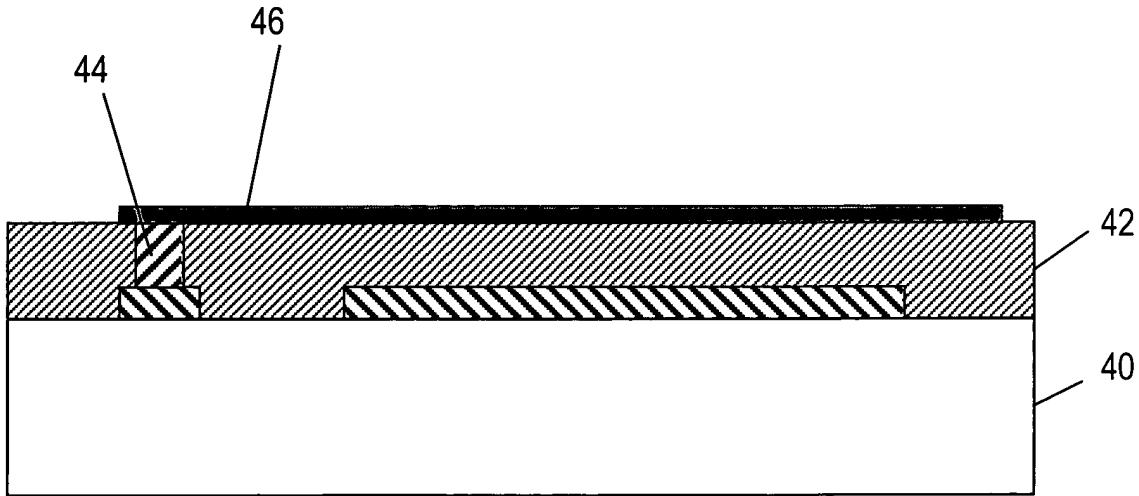


FIG. 2D

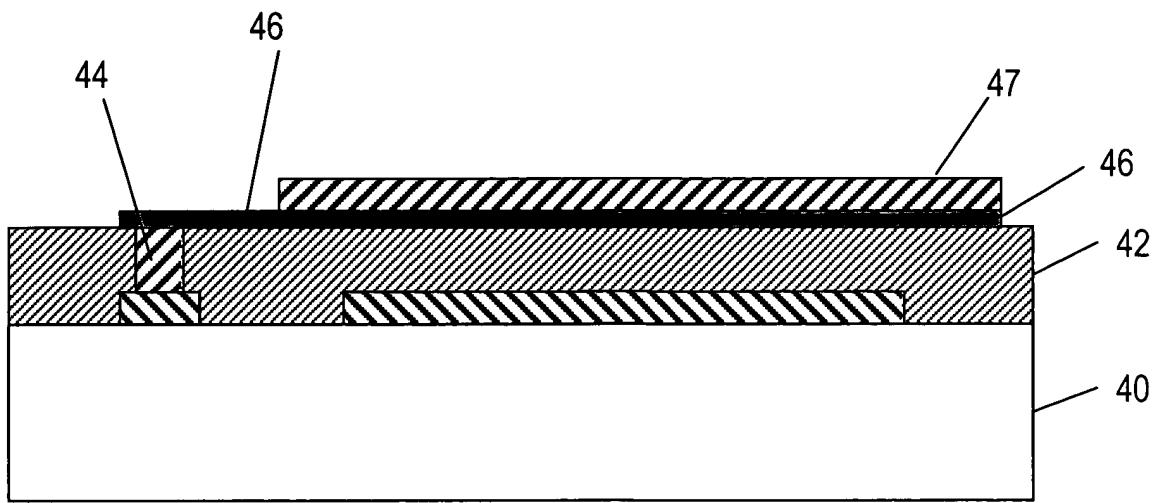


FIG. 2E

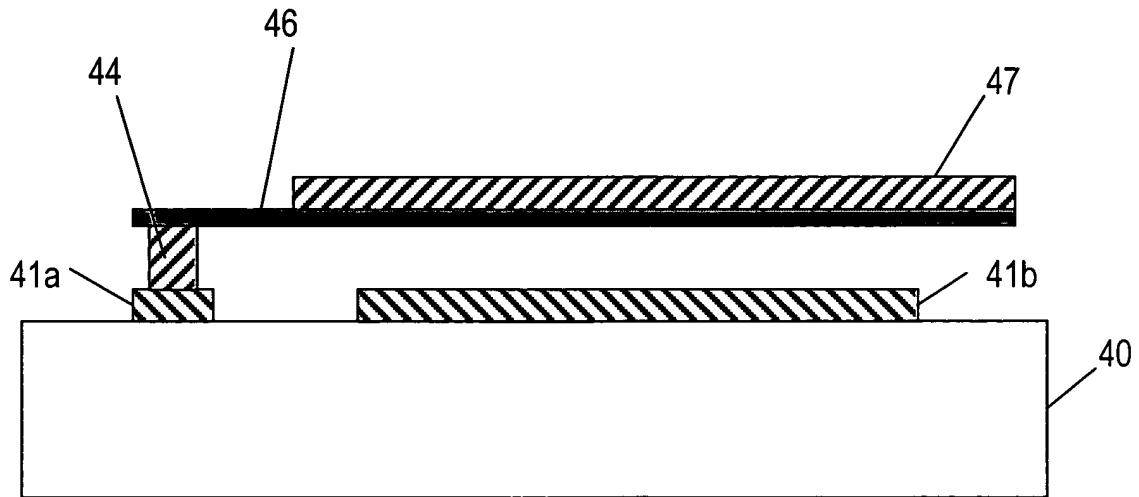


FIG. 2F

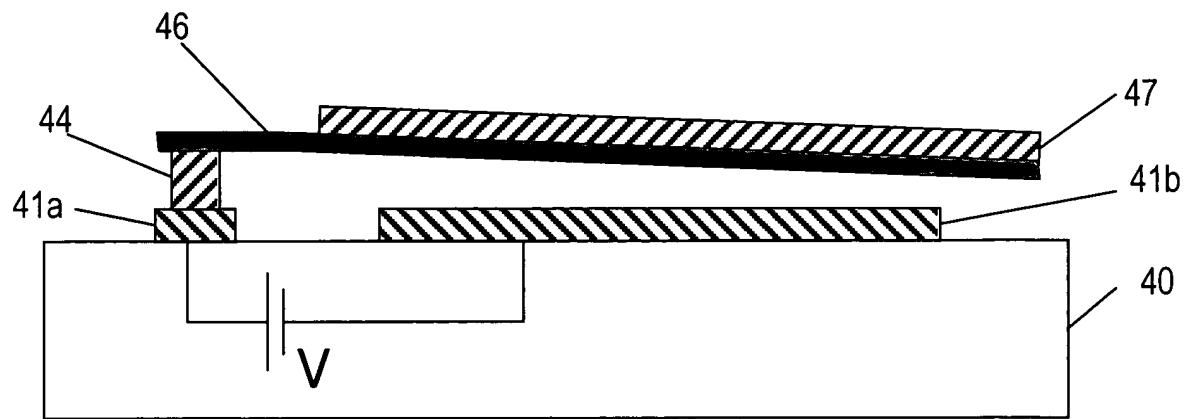


FIG. 2G

50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

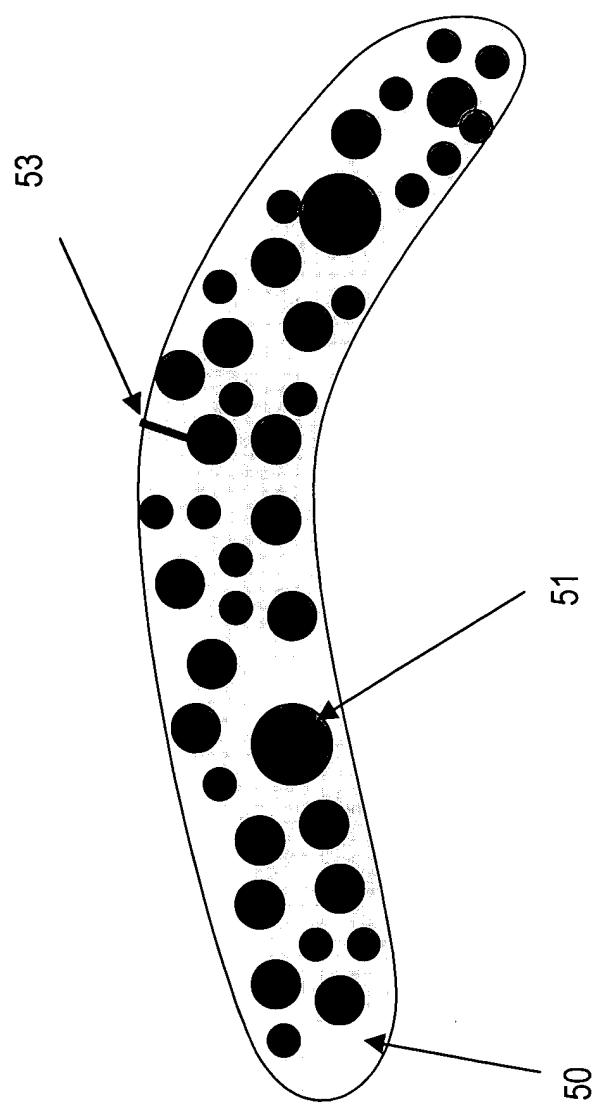
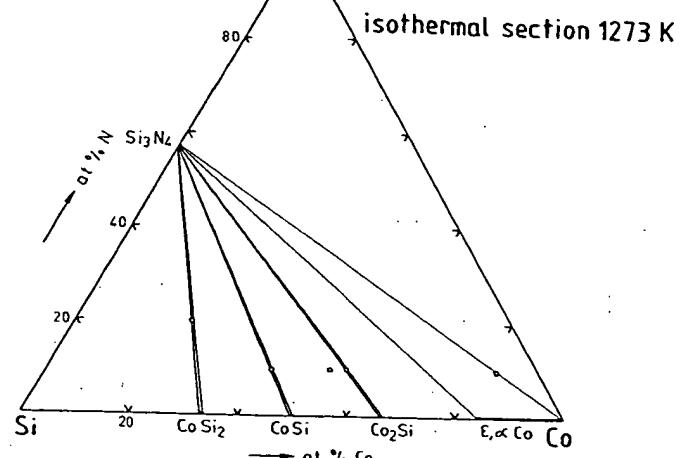


FIG. 3

Co-Si-N Isothermal Section at 1000 °C

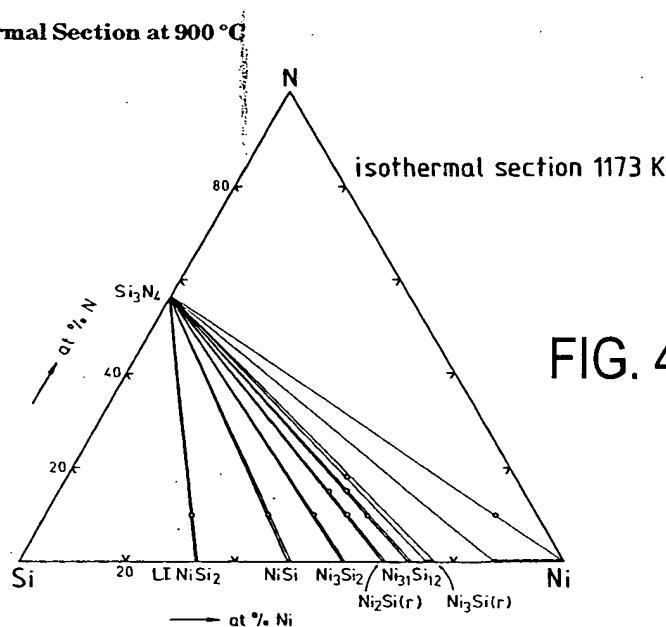
FIG. 4A



In the absence of external nitrogen pressure.

Ni-Si-N Isothermal Section at 900 °C

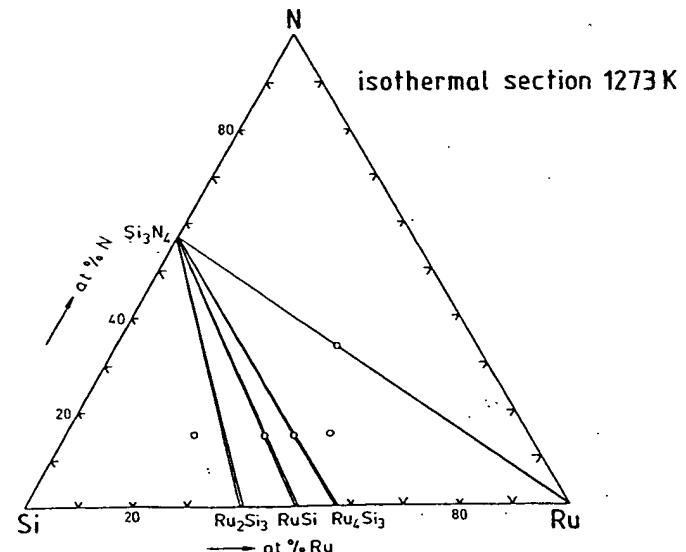
FIG. 4B



In the absence of external nitrogen pressure.

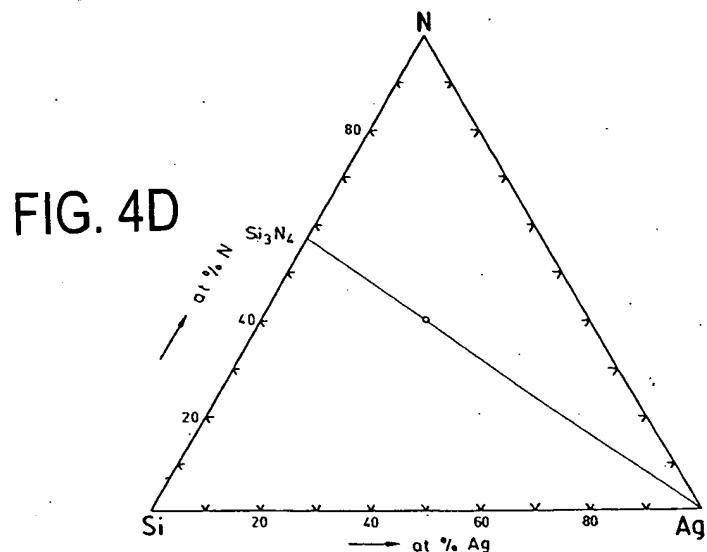
Ru-Si-N Isothermal Section at 1000 °C

FIG. 4C

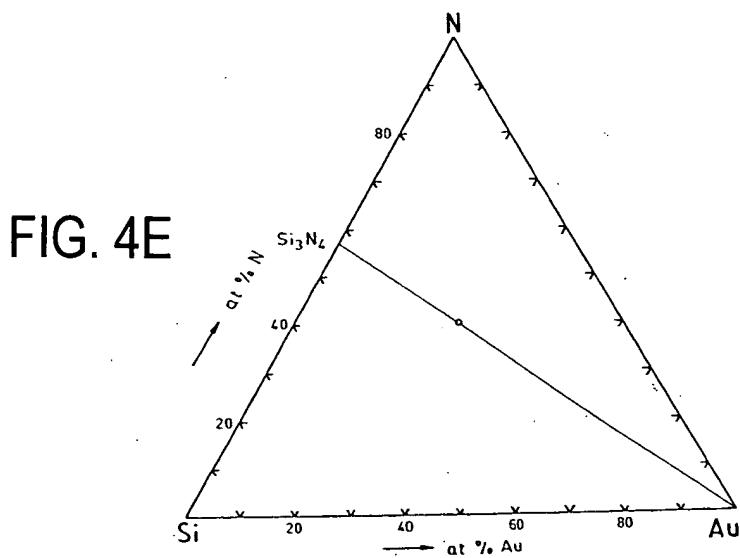


In the absence of external nitrogen pressure.

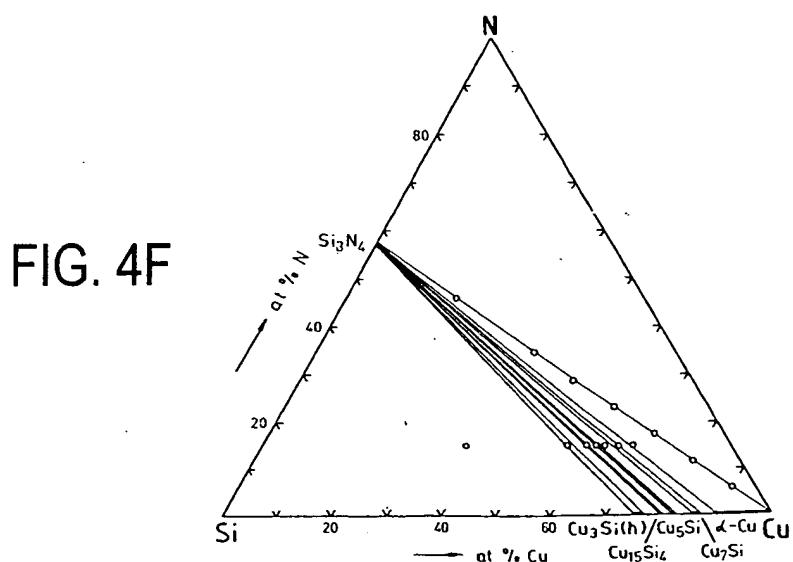
Ag-Si-N Isothermal Section at 900 °C



Au-Si-N Isothermal Section at 900 °C



Cu-Si-N Isothermal Section at 700 °C



Ag-B-N Isothermal Section at 0 °C

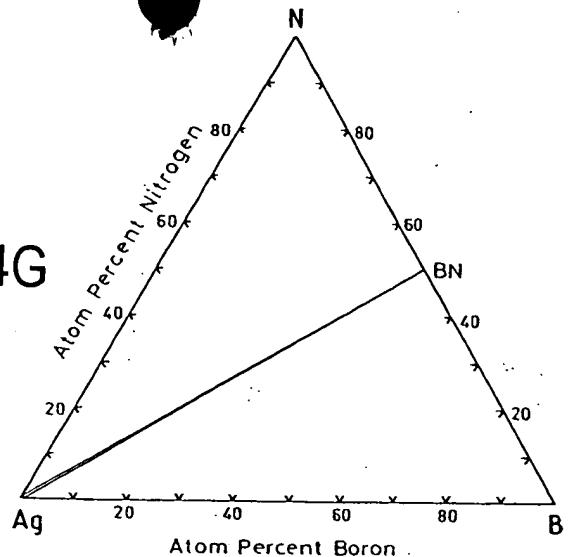


FIG. 4G

Au-B-N Isothermal Section at 800 °C

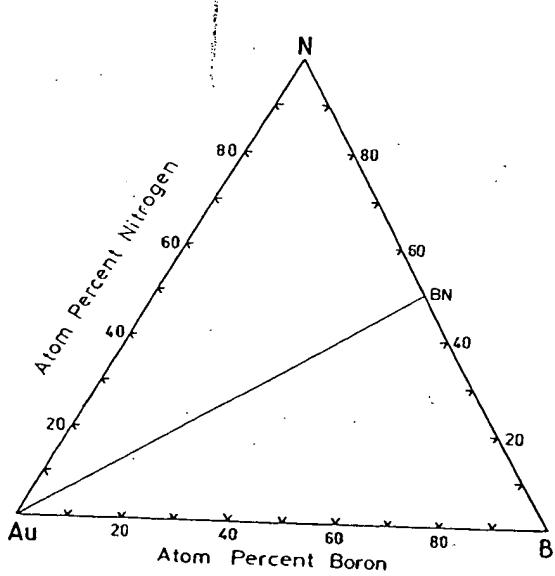


FIG. 4H

Ru-B-N Isothermal Section at 1200 °C Under 10^5 Pa of Argon

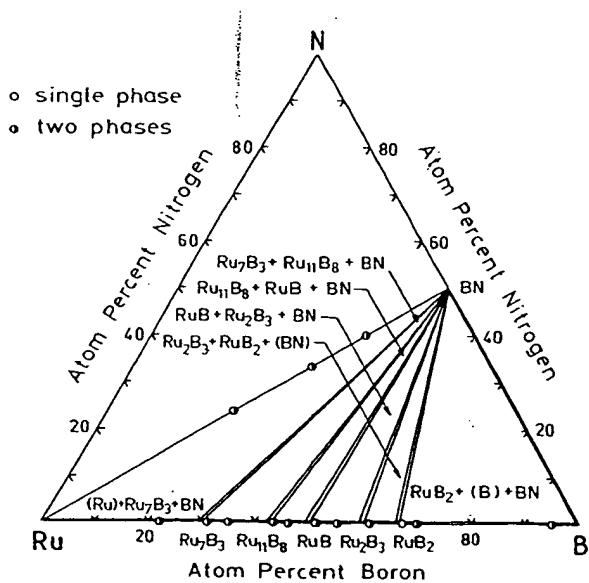


FIG. 4I

Co-B-N Isothermal Section at 900 °C Under 10⁵ Pa of Argon

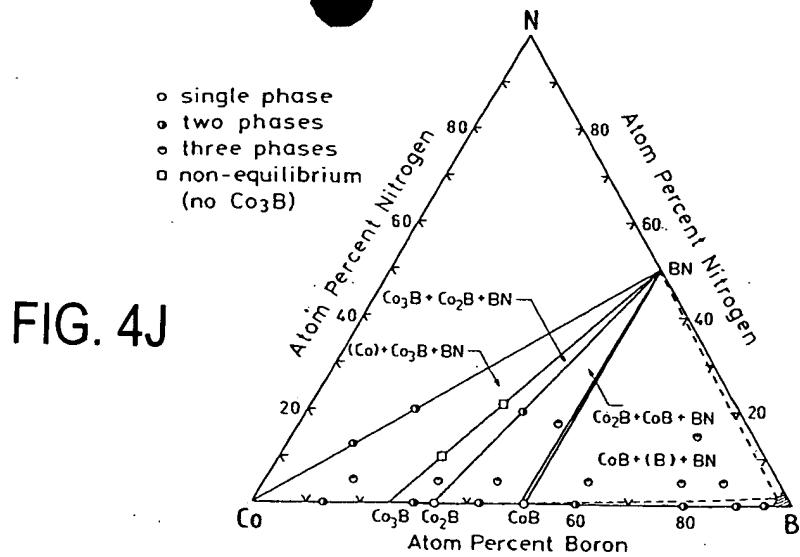
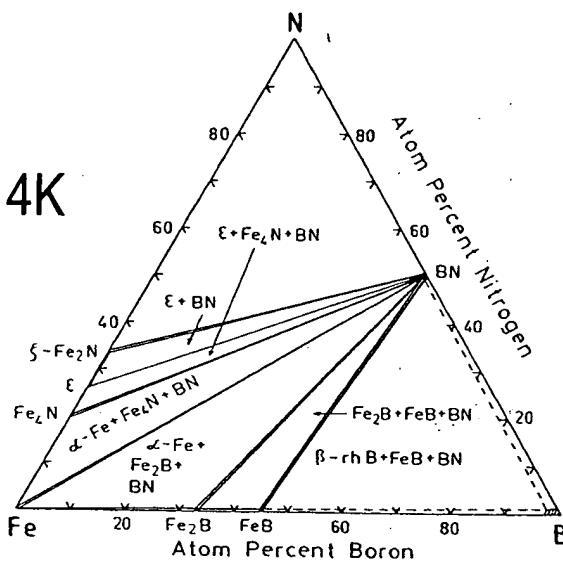


FIG. 4J

Fe-B-N Isothermal Section at 400 °C

In the absence of external nitrogen.

FIG. 4K



In the absence of external nitrogen. From [51Kie].

Ni-B-N Isothermal Section at 900 °C Under 10⁵ Pa of Argon

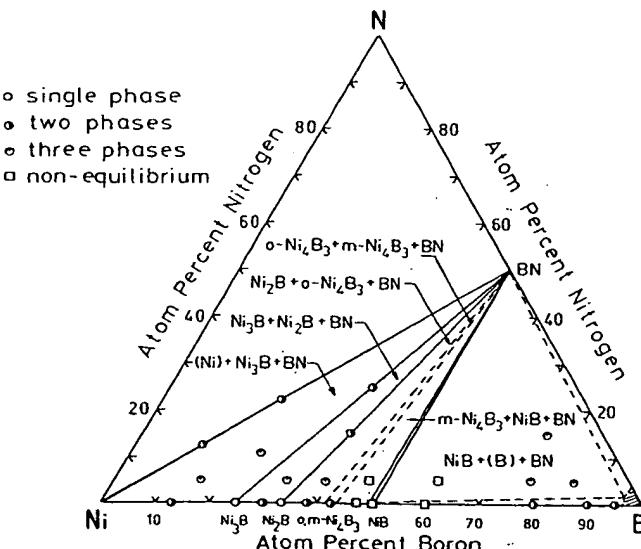


FIG 4L

In the absence of external nitrogen.

FIG. 5

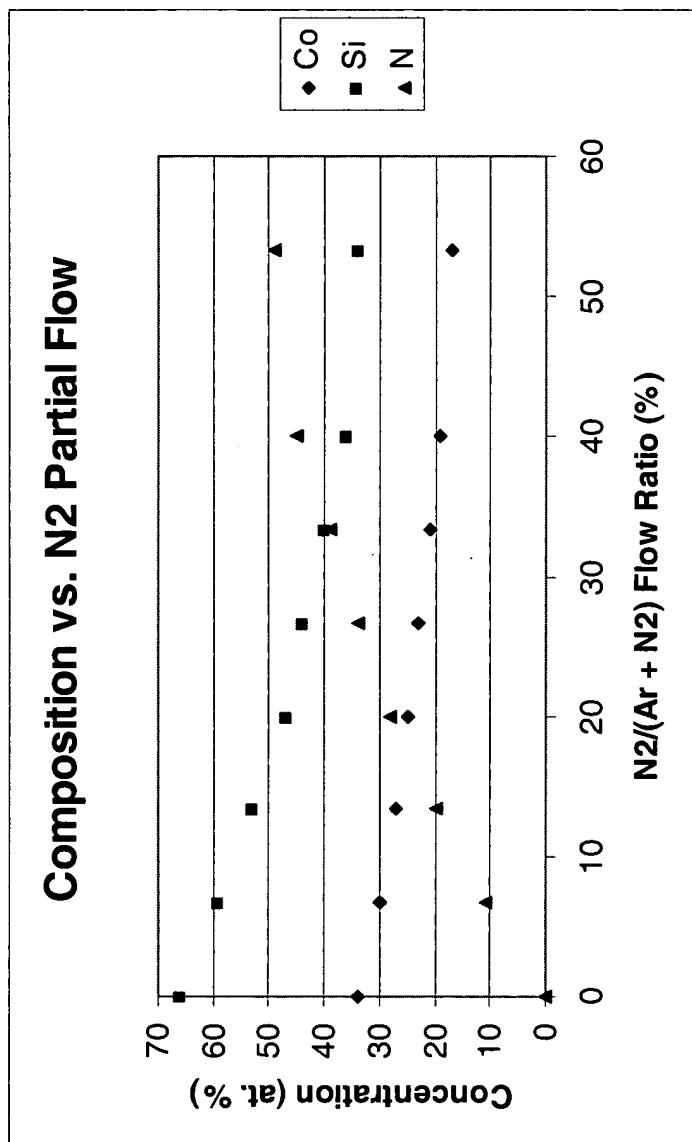


FIG. 6

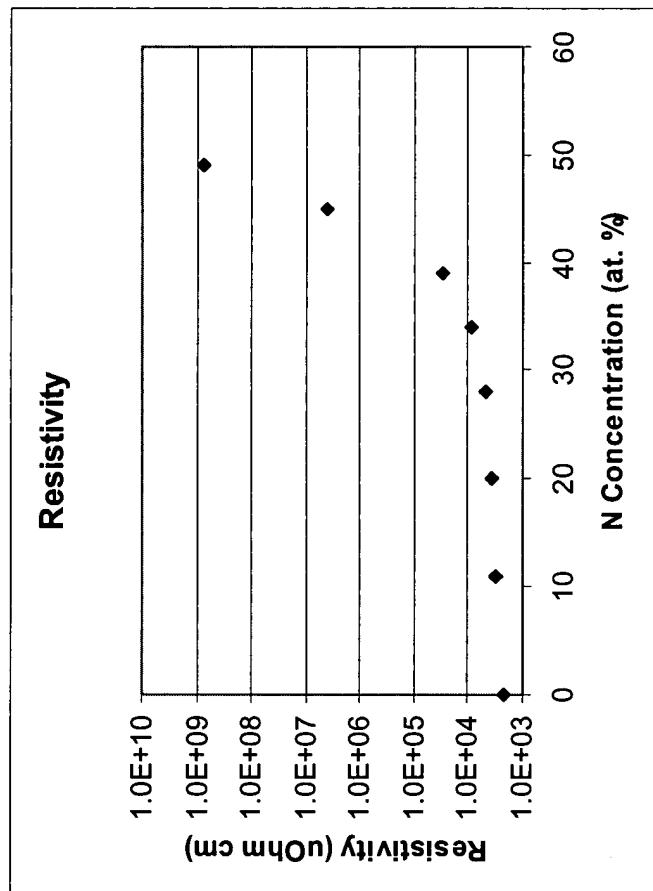


FIG. 7

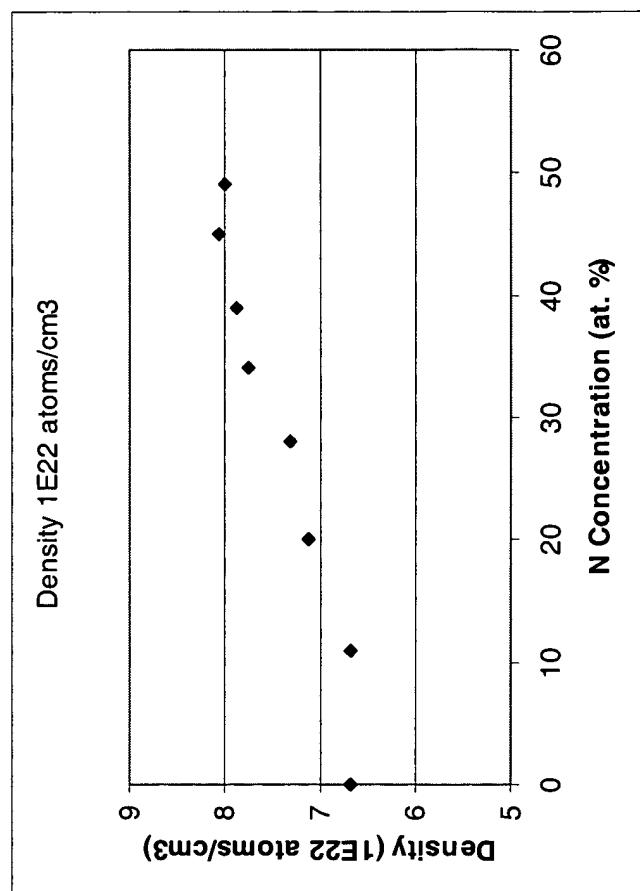
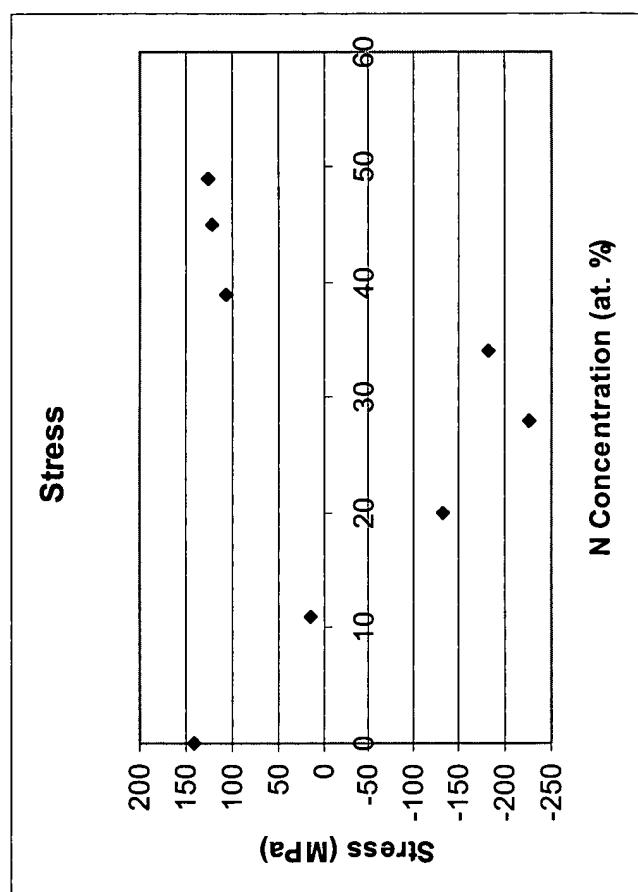


FIG. 8



	10 sccm	20 sccm	30 sccm
Cl2 base	200	230	270
CF4 base	133	202	202

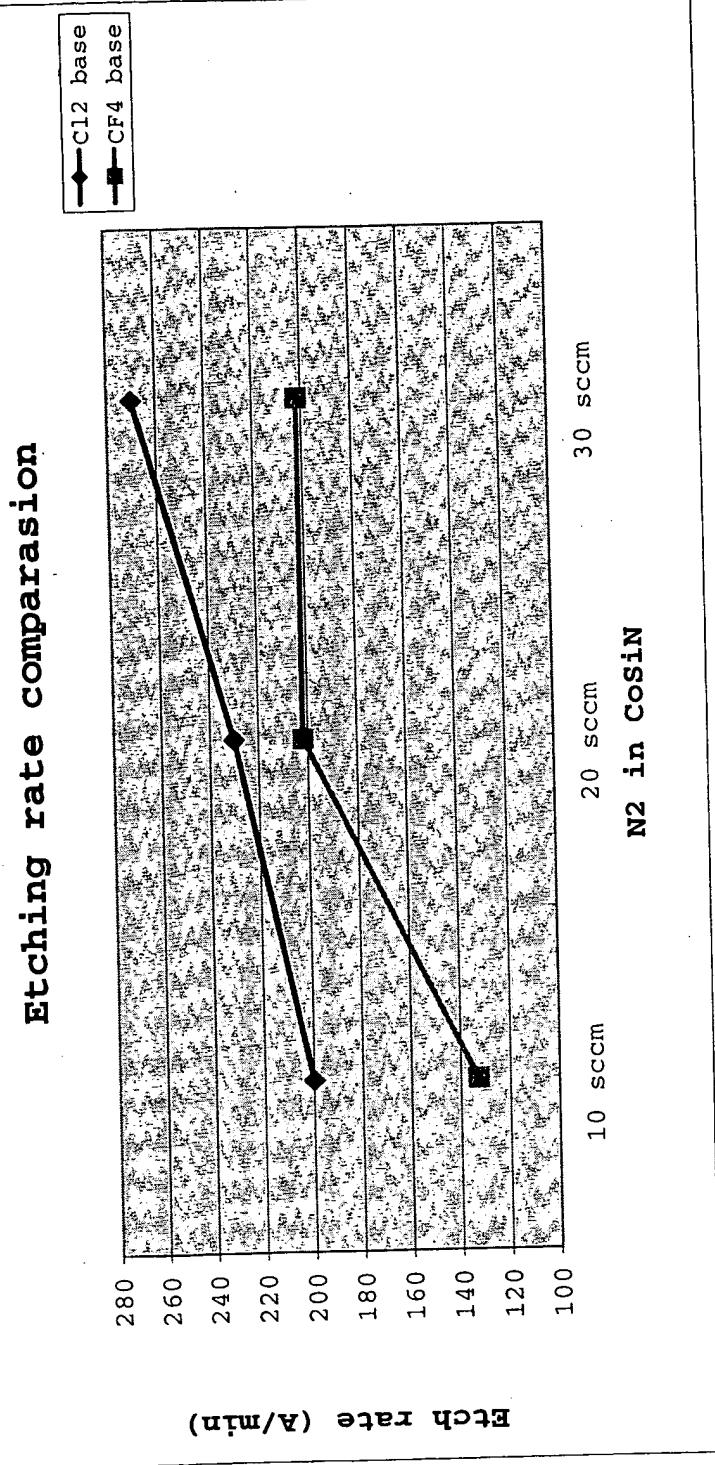


FIG. 9